Education in the Medium of Technology

Stanley Chodorow

Vice President for Academic Affairs

Questia Media Inc.

Ancient History

➢ The Plan for New Campuses, c. 1990

- Campus network, university library network, no Internet

- Single-system image

- Union of information and technical resources

➢ The network as a medium of education

Media of Education

➢ The traditional media

- Classrooms and laboratories
- Faculty offices
- Campus eateries
- Hallways and walkways

➢ The network as medium – an addition to the campus environment

Educational Technique

➢ Lecture, discussion, audio-visual

➢ Computer-aided instruction

- The transition of the language lab
- Self-paced physics and math
- Great American History Machine

➢ A revolution of **anytime** but not **anywhere**

The Internet Effect 1

➢ Sapping institutional boundaries

- Whose students?

- Whose faculty?

- Whose credit?

The Internet Effect 2

➢ Individualizing learning = individualizing instruction

- Students pace themselves
- The structure of the curriculum breaks down

➢ Opening up the curriculum

- Residency rules – students on the road
- Courses of different lengths and credit-value

The Internet Effect 3

➢ Collaboration on teaching materials
- A collective project to produce resources
  - Texts – Labyrinth Latin Library
  - Visual Materials – Amiens Cathedral
- Creation of a teaching community

➢ From controlled to open environment: The library vs. the Internet

➢ From copyright to license

The Internet Effect 4

➢New educational techniques

- Posting texts – making theory concrete in cases
- Narrated slide lectures – adding a dimension
- Discussion boards – expanding the classroom
- Chat rooms – reviewing the material
- Listservs – expanding communication
- From office hours to email

The Internet Effect 5

➤ Distance education

- The network: From **a** medium of education to **the** medium of education
- Education anytime, anywhere

➤ The clash of values

- Access vs. Quality
- Training vs. Education

Education: The Catchall Term 1

➢ What is education?

- Liberal arts

- Professional

- Residential

- Commuter

- Correspondence courses

- Quality measures: Standards and demands

Education: The Catchall Term 2

➢ The educational key: Faculty or course?

- Faculty-based education – the European-American tradition
- Course-based education – the Open University and its children

➢ The essence of education: Learning or experience?

- The self-sufficient course – course-in-a-box
- The course as entry point to discovery – course as doorway to the library or laboratory

The Milieus of Education 1

➤ Residential education: intense face-to-face interaction amplified by the Internet
- The online enhancement of the classroom
- The online course as part of the curriculum

➤ Commuter education: online and face-to-face education
- Convenience = access
- Convenience = quality

➤ Face-to-face interaction in distance education

The Milieus of Education 2

➢ Distance education

- The final frontier of access

- The prevalence of postgraduate programs

- Two breakthrough requirements for expansion

  ▪ Financial Aid

  ▪ Adequate online library

Learning and Teaching

➢ Technology can free learning from teaching but not from education

➢ Technology increases communication between student and teacher and between student and student

- Time is of the essence

Distance Education in Context

➤ From seminar to distance education: the range of educational milieus

➤ Higher education rests on research

- The faculty must have time to do research
- The system of institutions must produce research

➤ Institutions that offer distance education must be part of not apart from the system

Principles and Prospects

➢ Research-based education requires the participation of traditional universities

➢ The faculty must be the creators of technology-mediated education

➢ The promise is for improvement of education and expansion of access, not significant financial savings